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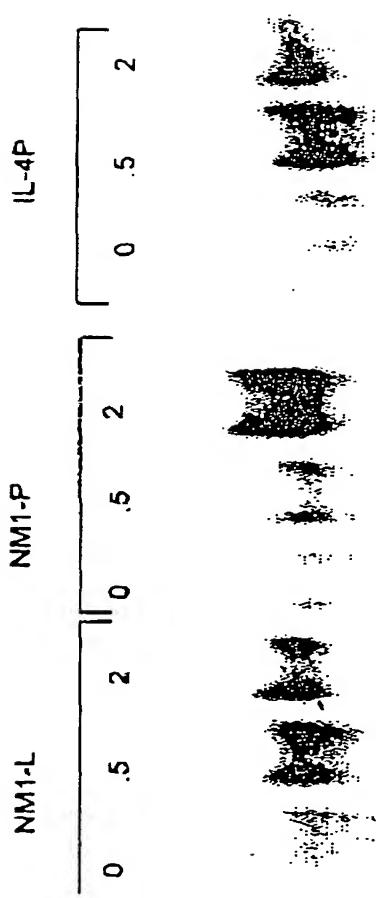


FIGURE 1

gagaagcaat tagtgtatgg gacaccatcaa tccaaactt -406
 tggatgtatgg ttttttttc tccatatacc aggttcccg ttcgttattag -356
 taagattgaa attgaaataa gtcattatgtt gttggatgaa ttgttactt -306
 tccttgaaac tggtaaaccc aaaaatgttacg acatgtatgg gaaaatactg -256
 ccattgtctg ttaagaatgtc tatgacattt caaggcaaga atgaatataat -206
 *
 ggaaaggaaa acttgtttttt tcttttttttta caaaaggaa agcctggaa -156
 tgaatgtat gggatattt aaaaataaa aaaaaaaaaaa aaacccttttac -106
 gtaacgtttt tgctggagaa gaayactacg aagcacattt tccaggaaatg -56
 gttggctgca acgttgtgc gcttttaact aatccitgtatgg aagggtggcca -6
 <----- Pcd2 ----->
 -1
 ctttg

FIGURE 2

Sample	Lane	5'	Poly-A Tract	3'	Length of Tract	Sequence Date
RA ST 06B						
	3	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	23	9/23/98
	5	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/23/98
	6	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	25	9/23/98
RA ST 07 (Male)	13	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	23	11/12/97
	15	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	23	11/12/97
	11	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	11/12/97
	312	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	10/30/97
RA ST 10	A	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	22	9/23/98
	B	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	23	9/23/98
	C	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/23/98
RA ST 14	3	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	23	9/23/98
	16	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/23/98
	1	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/23/98
	D	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/23/98
RA ST 23	L	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	23	9/28/98
	D	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/23/98
	14	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/28/98
	28	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/23/98
	I	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/28/98
N3 PBL	E	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	20	9/23/98
	31	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	22	9/23/98
	18	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	23	9/28/98
	21	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/23/98
	30	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/23/98
N7 PBL	F	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	20	9/23/98
	H	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	22	9/23/98
	25	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	22	9/28/98
	26	ATT	AAAAAAA.....ACGAAAAAA	CCCTT	22	9/28/98
	39	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	22	9/23/98
	G	ATT	AAAAAAA.....AACAAAAAAA	CCCTT	24	9/23/98

FIGURE 3

SAMPLE	DX	GENDER/AGE/ETHNICITY	SEQUENCING ARMS Subclones with C	SCREENING	+ SEQUENCING (Sequence Date)	CONFIRMATION
ST05	RA	F/38/HI	-	0/6	0/4	
ST06A	RA	F/52/CA	-	0/6	0/4	
ST06B	RA	-	-	0/6	0/4	(10/30/97; 11/12/97)
ST07	JRA	M/41/CA	+	4/4	3/7	(9/23/98)
ST10	RA	F/78/CA	+	3/7	1/4	(9/28/98 - Confirmation Pending)
ST14	AVN	M/64/CA	+	0/4		
ST18	RA	-	-	0/12		
ST19	RA	-	-	0/4	0/4	
ST20B	RA	-	-	0/4	0/6	(9/23/98; 9/28/98)
ST23	RA	F/68/CA	+	0/3	0/5	
ST29	RA	F/62	-	0/5		
ST33	RA	F/54	-	0/5		
ST34	RA	F/63	-	0/5		
ST35	RA	F/70/CA	+	3/5	0/5	(10/14/98)
ST36	RA	F/54	-	0/5		
ST38	RA	F/38	-	0/3		
ST39	O/ARA	F/77	-	0/4		
ST46	RA	F/66/CA	-	0/6		
ST51	RA	F/55	-	0/6		
ST52	RA	F/65	-	0/5		
ST53	RA	F/50	-	0/8		
ST55	RA	F/61	-	0/7		
ST60	RA	F/72/CA	-	0/7		
ST61	RA	F/60	-	0/7		
ST64	RA	M/40	-	0/5		
ST67	RA	F/46	-	0/8		
ST97	RA	F/50/CA	-	0/4		
ST28	RA	F/65/CA	-	0/4		
ST30	RA	F/66/HI	-	0/4		
ST31	RA	F/67/HI	-	0/4		
ST37	RA	F/80/CA	-	0/4		
ST40	O/ARA	F/59/CA	-	0/4		
ST41	OA	M/63/HI	-	0/4		
ST42	JRA	F/50/CA	-	0/4		
ST43	RA	F/60/CA	-	0/4		
ST44	RA	F/75/CA	-	0/5		
ST45	RA	F/77/CA	-	0/4		
ST47	RA	F/53/CA	-	0/4		
ST50	RA	F/69/CA	-	0/5		
PB35	RA	F/70/CA	+	2/5	1/19/99	
PB40	O/ARA	F/59/CA	+	1/4	10/4/99	
PB41	OA	M/63/HI	-	0/4		(confirmation pending)
PBMM	RA	F/35/HI	-	0/8		
PB1	RA	F/	+	0/8		
PB2	RA	F/	-	0/8		
PB29	RA	F/72/CA	-	0/7		
PB40	RA	F/66/CA	-	0/7		
PB500	RA	F/45/AS	-	0/5		
PB512	RA	F/67/CA	-	0/5		
PB519	RA	F/72/AS	-	0/5		

FIGURE 4

WO '01/19844

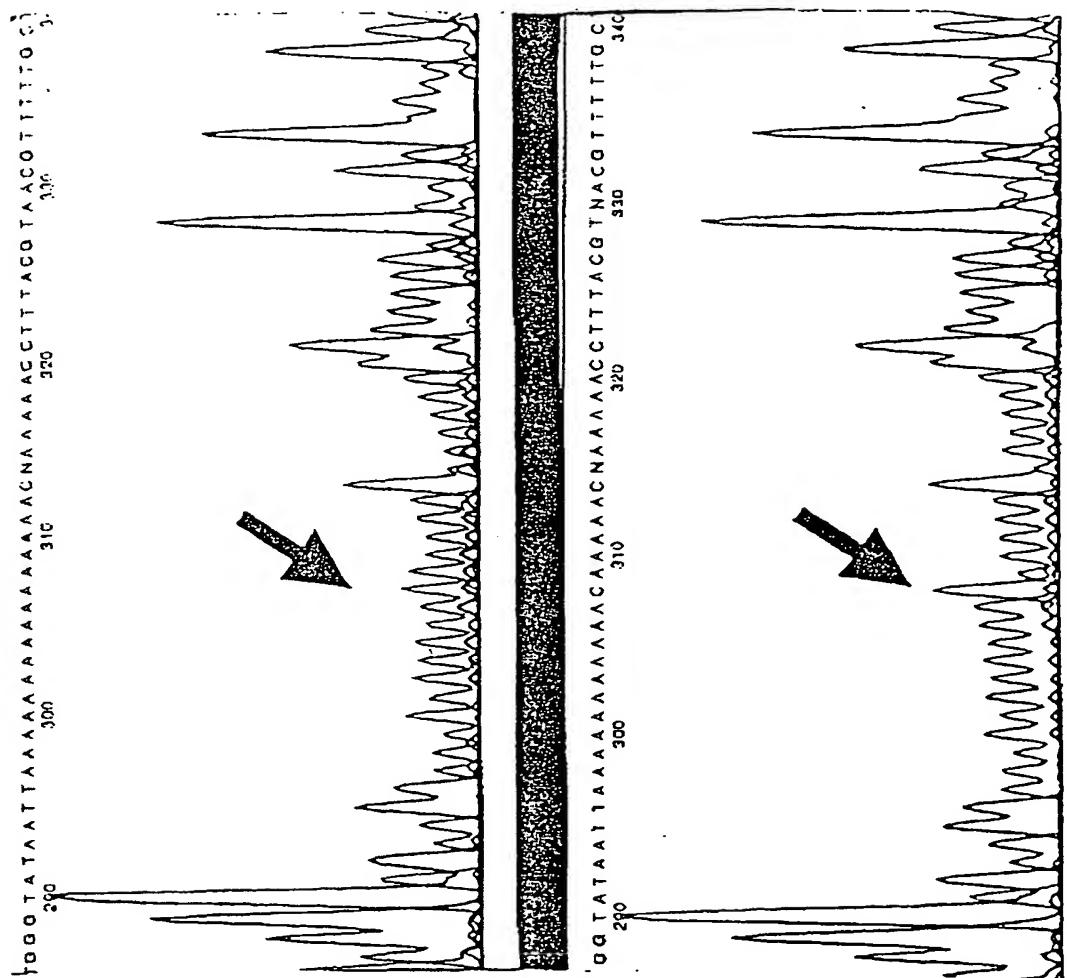


FIGURE 5

SAMPLE	DX	GENDER/AGE/ ETHNICITY	SEQUENCING ARMS Subclones	SEQUENCING SCREENING	+ CONFIRMATION with C
<i>SLE PERIPHERAL BLOOD (n = 7)</i>					
PB260	SLE	-	-	0/1	
PB343	SLE	-	-	0/3	
PB345	SLE	-	-	0/3	
PB346	SLE	-	-	0/4	
PB347	SLE	-	-	0/3	
PB349	SLE	-	-	0/3	
PB359	SLE	-	-	0/4	

HEALTHY SUBJECT PERIPHERAL BLOOD (N = 23)

N1	HEALTHY SUBJECT	-	0/4
N2	HEALTHY SUBJECT	-	0/3
N3	HEALTHY SUBJECT	-	0/9
N4	HEALTHY SUBJECT	-	0/3
N5	HEALTHY SUBJECT	-	0/4
N6	HEALTHY SUBJECT	-	0/4
N7	HEALTHY SUBJECT	-	0/8
N8	HEALTHY SUBJECT	-	0/3
N9	HEALTHY SUBJECT	-	0/3
N10	HEALTHY SUBJECT	-	0/3
N11	HEALTHY SUBJECT	-	0/3
N12	HEALTHY SUBJECT	-	0/2
N13	HEALTHY SUBJECT	-	0/1
N14-N23	HEALTHY SUBJECTS	-	ND

FAMILY WITH UNKNOWN MEDICAL HISTORY:

BCL7007	LYMPHOBLASTOID	+	3/3	(11/2/98)
BCL7016	CELL LINES FROM	-	0/3	
BCL7050	MEMBERS OF UTAH FAMILY	+	2/3	(11/2/98)

FIGURE 6

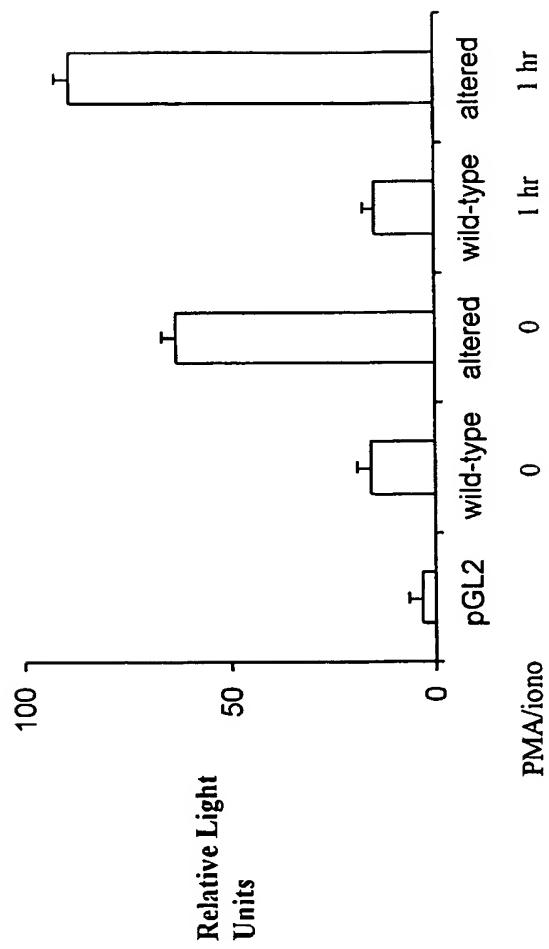


FIGURE 7

Human	5' TTACAAAAAGG -AA- GCCTGGAAAGTGAATGATATGGT <u>TATTAATT</u> -	*	*	-136
Mouse	TTAACAAAAGGGAAAGCTGGAAAGTGAATGATATGGGTGATT			
Human	AAAAAAAACAAAAAAACAAAAAA	*	*	
Mouse	AAAAAAAAGAAAGAAAAGATTAGAAAAAC	*	*	
				POLY-A
				TRACT
Human	CCT <u>TACGTAAACGT</u> TTT - GCTGGGAGAGAGACTACCAAGCACA	*	*	
Mouse	CCTT <u>TACGTAACT</u> TTT GCTGGACAGAGACTACCAAGCACA	*	*	-69
Human	TT <u>TCAGGAAGTGTGGCTGCAACGATTGTGGCTCTTA</u> AT	*	*	
Mouse	TT <u>TCAGGAAGTGTGGCTGCAACGATTGTGGCTCTTA</u> AT	*	*	-23
Human	CCT <u>GAGTAAGGTGGCCAC</u> TTTG 3'	*	*	
Mouse	CCT <u>GAGTAAGGTGGCCAC</u> TTTG	*	*	-1

FIGURE 8

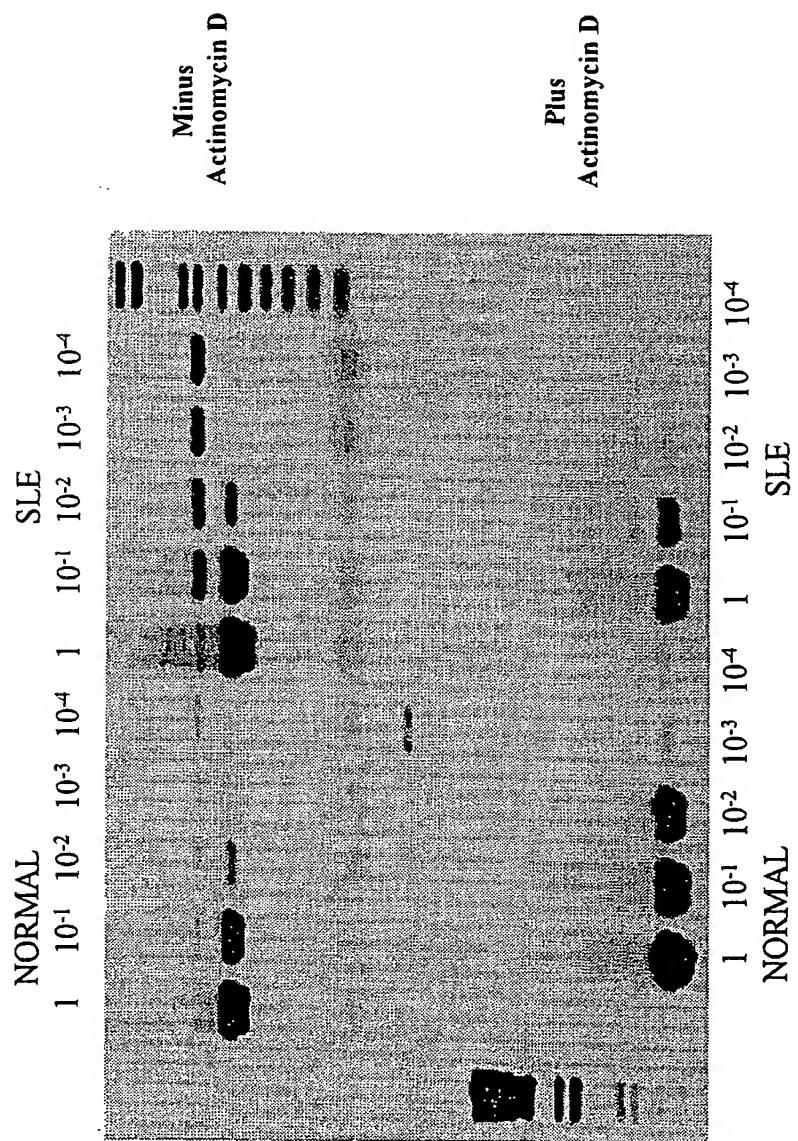


FIGURE 9

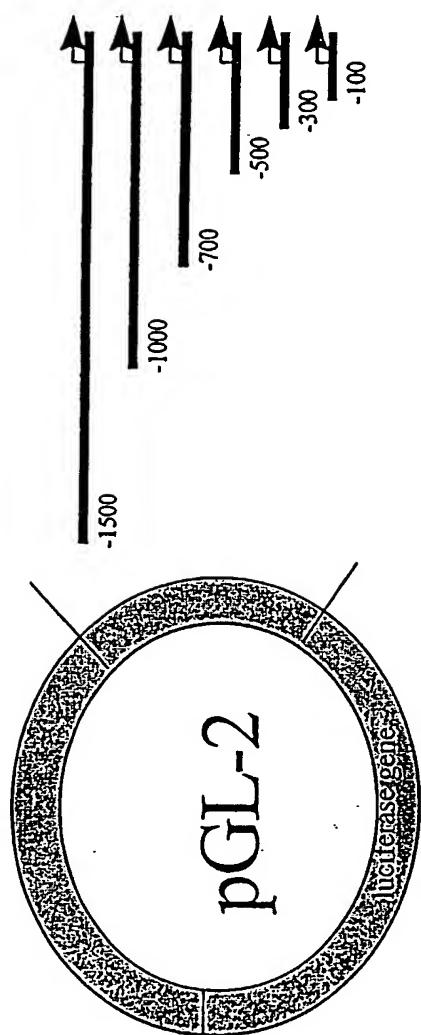


FIGURE 10

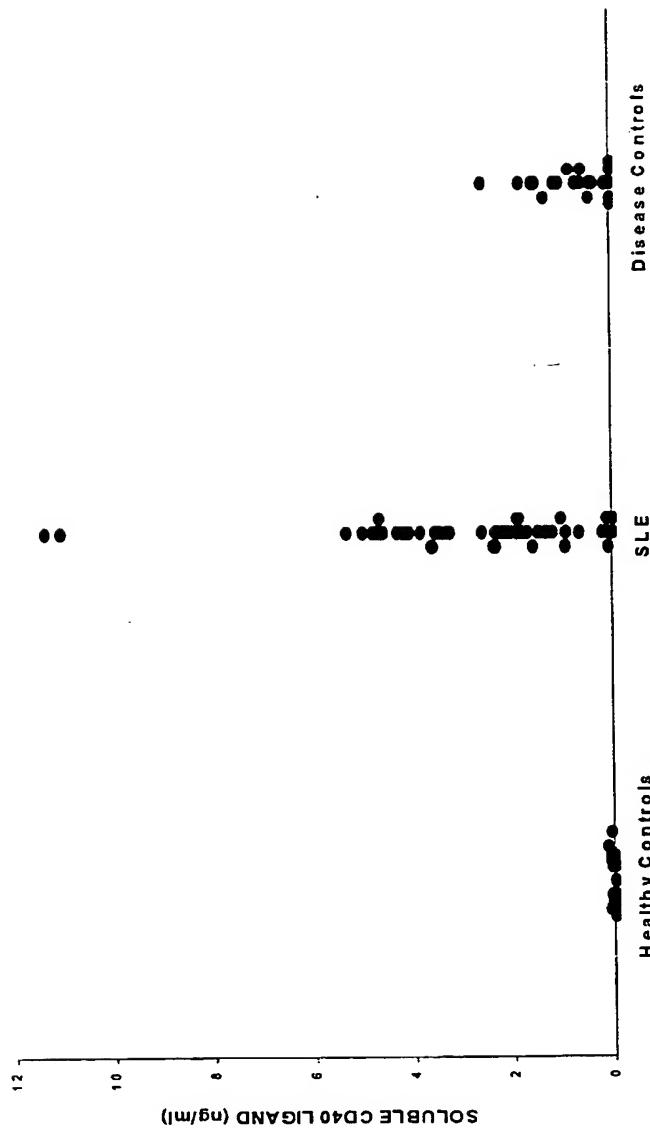


FIGURE 11

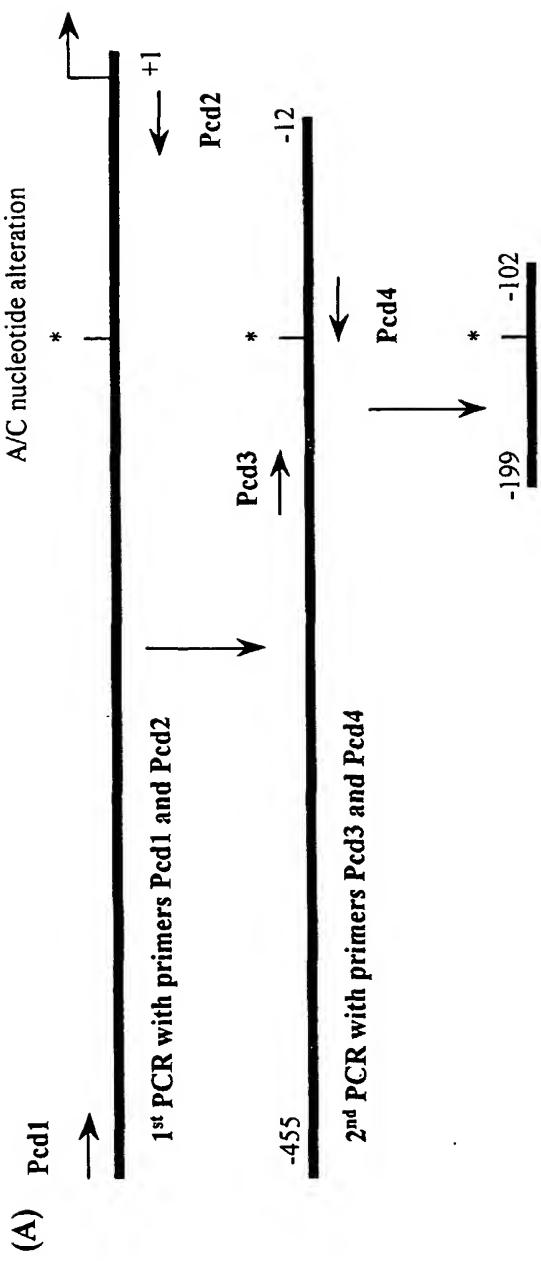


FIGURE 12



FIGURE 13

PROBABLE GENOTYPE OF POLY-A TRACT:	SUBJECTS:	AA	AC	CC	UNSURE
HEALTHY SUBJECTS		23	0	0	0
RHEUMATOID ARTHRITIS (ST)		27	6	2	3
RHEUMATOID ARTHRITIS (PB)		4	6	0	1
TOTAL RA		31	10	2	3
SLE		7	0	0	0

FIGURE 14